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LISTS NEW POWER PLANTS PLANNED, UNDER CONSTRUCTION

PLAN PLANT ON RIJECINA RIVER -- Ljubljana, Slovenski Porocevalec, 5 Jan 51

Recently Engr Mladen Zugalj of the "Hidroprojekt" Institute in Zagreb designed a large hydroelectric power plant to be located on the Rijecina River near Rijeka. This plant, which will be connected with the plant at Vinodol, will have almost the same capacity as the plant at Mariborski Otok. Its three turbogenerator units of 17,000 kilowatts each will be able to produce 300 million kilowatt-hours of power per year.

An artificial lake with a capacity of 16 million cubic meters of water is planned to be built at the source of the Rijecina River. The dam at the lake will be 35 meters high and 370 meters long. The water will flow from the lake through a 4.8-kilometer pipeline to a water tower above the city /Rijeka?/. From there, it will flow through a pressure pipeline with a 280-meter fall to the turbines of the underground plant, which is to be located in the vicinity of the Rijeka Shipyard. The blueprints give another alternative, according to which the plant would be built inside a hill which is in the vicinity of the Rijeka-Susak bridge.

The construction costs of the plant are estimated to be 725 million dinars, while the production costs are estimated to average 22 para (.22 dinars) per kilowatt-hour of power. The new plant is scheduled to be built after the completion of the plant at Vinodol. The construction of the new plant will increase the supply of water to Rijeka.

TO PRODUCE STEAM TURBINES IN 1951 -- Ljubljana, Slovenski Porocevalec, 19 Dec 50

The "Edvard Kardelj" Steam-Turbine Factory in Karlovac will begin production of steam turbines in 1951. The designing office of this factory is located in Zagreb. The temporary workshops of the factory have already succeeded in mastering the production of steam-turbine vanes, which will replace old vanes of turbines in thermal power plants.

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The factory, which will produce steam turbines for thermal power plants and transoceanic ships, will consist of an assembly shop, a foundry for casting parts for assembly, and auxiliary workshops. The temporary workshops are already producing parts for assembly, while machinery is being installed in the permanent shop, which is 90 percent completed. Parts for the prototype of the first Yugoslav-made steam turbine are being constructed with some of the machines that have been installed.

The designing office in Zagreb is working on the blueprints of the first steam turbine, which is intended for a thermal power plant. These blueprints are expected to be ready by the beginning of February, after which the engineers of the office will begin to work on the blueprints of a special type of steam turbine for ships.

Professor A. Kraft, Dr-Engr, who was the general director of the AEG factory in Germany before the war and went to Yugoslavia in 1948, is in charge of designing the steam turbines.

BUILD ELECTRIC POWER PLANTS IN MONTENEGRO -- Ljubljana, Ljudski Tednik, 22 Dec 50

The production of electric power in Montenegro increased 110 percent from 1945 to 1949. The thermal power plants in Plevlja and Titograd are now in operation. The first hydroelectric power plant in Montenegro, which was built on the Musovica River, was recently put into operation. The Plevlja Plant will soon install the first high-tension transmission line from the large lead and zinc mine at Suplja Stena to the ore-processing factory under construction at Gradac.

The hydroelectric power plant at Musovica Rijeka supplies Kolasin and the surrounding territory with electricity. The Musovica plant will soon supply electricity to Mojkovac and the ten factories of the large wood combine under construction in the vicinity.

The Slap Zete and Glava Zete hydroelectric power plants now under construction will soon be put into operation. They will supply electricity to Titograd, Niksic, and the surrounding territory. The hydroelectric power plant under construction on the Cijevna River will supply power to the land being reclaimed by draining Skadarsko Jezero (Lake Skadar). Construction on the power plant at Belopoljska Bistrica will soon begin and is scheduled to be completed at the end of the Five-Year Plan. The Five-Year Plan calls for the power plants in Montenegro to supply 272 kilowatt-hours of electric power per capita.

OPERATION OF POWER PLANT DELAYED -- Ljubljana, Slovenski Porocevalec, 27 Dec 50

The first turbogenerator unit of the hydroelectric power plant at Vinodol in Croatia will be installed during the spring of 1951 and will be in operation by mid-1951. /Slovenski Porocevalec of 19 July 1950 (see 00-W-13825) reported that the plant would begin operation when its first turbogenerator unit was installed in 1950. The same newspaper on 22 August 1950 gave the specific date as 31 December 1950./

The machinery for the power plant was ordered in Switzerland several years ago and is ready to be installed. Each of the three generators will have a capacity of 35,000 kilovolt-amperes and will be driven by two 19,900-horsepower Pelton turbines. The power plant will be equipped with three 35,000-kilovolt-ampere transformers and three 10,000-kilovolt-ampere transformers. The three turbogenerator units will be supplied with water from the artificial lakes Bajer, Lokvarka, and Kriz. A dam is being built on the Lokvarka River. Tunnels with a total length of 5 kilometers, connecting the three lakes, will also be built.

MORE POWER PLANTS UNDER CONSTRUCTION -- Belgrade, Borba, 3 Jan 51

The Ovcar-Kablar hydroelectric power plant on the Western Morava is now under construction. Its first turbogenerator unit will be installed and put into operation in 1953. The power plant will supply the industrial basin between Uzice and Rankovicevo with power. The installation of the second turbogenerator unit in the hydroelectric power plant near Zajecar on the Timok River is being completed. Together with the thermal power plant at Zvezdan, it will furnish power to the Timok basin.

The first turbogenerator units of the hydroelectric power plant at Vuzenica and at Medvode will have a capacity of 16,500 and 12,000 horsepower respectively. Both turbogenerator units are scheduled to be in operation in 1952. The turbogenerator units of the power plant at Jablanica will have a total capacity of 180,000 horsepower. The first unit of 30,000 horsepower is scheduled to be in operation in 1952.

TO MAKE HUGE GENERATOR FOR POWER PLANT AT MAVROVO -- Ljubljana, Slovenski Porocevalec, 3 Jan 51

The "Rade Koncar" Factory recently completed three 24,000-kilovolt-ampere generators for two hydroelectric power plants on the Drava River. Two of these generators are intended for the plant at Mariborski Otok and the third for the plant at Vuzenica. The factory has already begun the construction of a 30,000-kilovolt-ampere generator for the plant at Zvornik. Recently, the factory began the construction of a generator for the plant at Mavrovo. This generator will have twice the capacity of the generators for the Drava power plants.

PRODUCES RELAYS FOR POWER PLANTS -- Ljubljana, Slovenski Porocevalec, 20 Dec 50

The "Tela" Factory in Ljubljana, which was established in 1948, produces relays for Yugoslav power plants. Thus far it has furnished relays to the thermal power plants in Trbovlje and Bor, and to the plant of the "Jugovinil" Factory in Kastel Sucurac, as well as to the hydroelectric power plants at Mariborski Otok and Mesici.

This year the factory has constructed the prototype of an automatic temperature regulator for hatcheries. The factory also plans to produce resistance bridges for measuring distances.

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